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SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

under Rule 62a and/or 63 of the European Patent Convention. This report shall be considered, for the purposes of subsequent proceedings, as the European search report

Application number:
EP 21 87 15 14

Classification of the application (IPC):
H04B 7/0413*, *H04W 72/04*, *H04B 7/06*, *H04L 5/00

Technical fields searched (IPC):
H04B

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2020100154 A1 (CIRIK ALI [US] ET AL) 26 March 2020 (2020-03-26) * abstract * * paragraphs [0235] - [0350] * * figures 25, 26 *	1, 3, 7, 9, 11, 15

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R. 62a, 63) has been carried out.

Claim(s) completely searchable:7, 15

Claim(s) searched incompletely:1, 3, 9, 11

Claim(s) not searched:2, 4-6, 8, 10, 12-14

Reason for the limitation of the search:

[0001] 1 The amendments filed with the entry into the regional phase introduce subject-matter which extends beyond the content of the application as filed, contrary to Article 123(2) EPC. The amendments concerned are the following:1.1 No basis in the original application could be found for the subject-matter of amended claims 1, 2, 4-6, 8-10, 12-14, especially not in original claims 1-10.

[0002] 1.2 In reply to the invitation to file a statement indicating the subject-matter to be searched, the applicant indicated a preliminary set of claims together with passages of the original application on these preliminary claims are based.

[0003] 1.3 Also these passages are not regarded as a valid basis, neither for the present filed claims nor for the indicated preliminary claims.

[0004] 1.3.1 For amended independent claim 1 the applicant provided par. 514 as a basis. However, the amended feature of claim 1 has been isolated from par. 514. No basis was provided for this isolation and for the combination of the isolated feature with original claim 1.

[0005] 1.3.2 The same objections apply, mutatis mutandis, to the corresponding independent claim 9.

[0006] 1.3.3 For amended dependent claims 2 and 13 the applicant provided par. 631, 634, 572 and 573 as a basis.

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	08 April 2024	Helms, Jochen

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
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[0007] However, the applicant did not provide a basis for the omission of features of original claim 2 and for the combination of the amended features with original claim 1 and the remaining feature of original claim 2. Moreover, as the cited paragraphs relate to different embodiments, the basis for the combination and the certain selection of these embodiments is missing.

[0008] The same objections apply, mutatis mutandis, for amended claim 13.

[0009] 1.3.4 For amended dependent claims 4, 12 the applicant provided par. 280, 283, 301, 307, 313, 551, 555, 802, 803 and 807 as a basis.

[0010] For amended dependent claims 5 and 10 the applicant provided par. 101, 117, 164, 355, 441, 444 and 446 as a basis.

[0011] For amended dependent claims 6 and 14 the applicant provided par. 357, 362, 558, 572, 573, 484 and 487 as a basis.

[0012] Amended dependent claims 4-6, 10, 12 and 14 are not regarded as having a basis in the original application for the same reasons as outlined for claims 2 and 13 above.

[0013] 1.3.5 For amended dependent claim 8 the applicant provided par. par. 101, 117, 164, 355, 441, 444 and 446 as a basis.

[0014] However, the applicant did not provide a basis for the combination of the amended features with original claim 6 (present claim 7). Moreover, as the cited paragraphs relate to different embodiments, the basis for the combination and the certain selection of these embodiments is missing.

[0015] 1.4 Consequently, the search has be restricted to original independent claims 1 and 8 (i.e. present claims 1 and 9 without the amended features), present independent claims 7 and 15 (corresponding to original independent claims 6 and 9) and present dependent claims 3 and 11 (Rule 63(2) EPC).

[0016] 1.5 The applicant's attention is drawn to the fact that the application will be further prosecuted on the basis of subject-matter for which a search has been carried out and that the claims should be limited to that subject-matter at a later stage of the proceedings (Rule 63(3) EPC).

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	08 April 2024	Helms, Jochen

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D: document cited in the application
L: document cited for other reasons

& : member of the same patent family, corresponding document

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ANNEX TO SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

Application number:
EP 21 87 15 14

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 08-04-2024
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2020100154 A1	26-03-2020	CA 3056608 A1	25-03-2020
		EP 3629492 A1	01-04-2020
		US 2020100154 A1	26-03-2020
		US 2022240144 A1	28-07-2022
		US 2024049083 A1	08-02-2024

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